

LE2425A Managed Fiber Switch Configuration Guide

You can configure the BLACK BOX® Managed Fiber Switch Base Unit with any combination of 10-, 100-, and 1000-Mbps copper and fiber modules for up to 25 ports. The switch features wire speed, filtering and forwarding across all ports, 802.3x flow control, 802.1p priority packet processing, and a self-learning 4K-node address table plus 240 KB packet buffers for 10-/100-Mbps modules and 120 KB packet buffers for 1000-Mbps modules. 19" rackmounting brackets are included.



LE2425A: top: front view;
bottom: rear view

Slot A Slot B Slot C Slot D

NOTE: A MNS-BB software license is included with the Base Unit. The software is loaded in the LE2425A at the factory.

Step 1

Choose chassis and power input type:

Base Unit Model #	Description
LE2425A	Rackmount with AC power
LE2425A-24VDC	Rackmount with 24 V (18-36) DC power
LE2425A-48VDC	Rackmount with 48 V (36-70) DC power
LE2425A-125VDC	Rackmount with 125 V (88-150) DC power

Step 2

Choose up to three modules for Slots A, B, and C (some slots may be blank):

Module Model #	10BASE-T/100BASE-TX	10BASE-FL	100BASE-FX Multimode	100BASE-FX Single-Mode	Gigabit Port
LE2427C	—	4 ST	—	—	—
LE2446C	—	2 ST	2 ST	—	—
LE2445C	—	—	4 ST	—	—
LE2426C	—	—	4 SC	—	—
LE2440C	4 RJ-45	2 ST	—	—	—
LE2429C	4 RJ-45	—	2 ST	—	—
LE2430C	4 RJ-45	—	2 SC	—	—
LE2431C	4 RJ-45	—	—	2 SC 20 km	—
LE2441C	4 RJ-45	—	—	2 SC 40 km	—
LE2447C	—	2 ST	4 MT-RJ	—	—
LE2442C	4 RJ-45	—	4 MT-RJ	—	—
LE2443C	4 RJ-45	—	4 LC	—	—
LE2444C	4 RJ-45	—	—	4 LC 15 km	—
LE2438C	6 RJ-45	—	2 MT-RJ	—	—
LE2439C	6 RJ-45	—	—	2 LC 15 km	—
LE2428C	8 RJ-45	—	—	—	—
LE2436C	—	—	8 MT-RJ	—	—
LE2448C	—	—	8 LC	—	—
LE2437C	—	—	—	8 LC 15 km	—
LE2433C	—	—	—	—	1

Step 3

(Optional) Choose one Gigabit port module for Slot D:

Module Model #	Gigabit
LE2432C	1

Step 4

(Optional) Choose GBICs for Gigabit port:

GBIC Model #	Description (GBICs for GBPM-COTX and GBPM-DOTX)
LE2434C	(1) 1000BASE-SX, multimode SC
LE2449C	(1) 1000BASE-LX/LH, 1310-nm single-mode SC 10 km
LE2450C	(1) 1000BASE-LX/LH, 1310-nm single-mode SC 25 km
LE2451C	(1) IEEE 802.3ab copper Gigabit TP, RJ-45
LE2452C	(1) 1000BASE-ZX, 1550-nm single-mode SC 40 km
LE2453C	(1) 1000BASE-ZX, 1550-nm single-mode SC 70 km

Step 5

Choose options and extras:

Accessory Model #	Description
LE2435C	Blank cover for one (A, B, or C) module slot
LE2454A	Console attachment cable serial null-modem (aka X-modem) cable with DB9 connectors
LE2455A	As above, but with a USB connector
LE2456RM	23" Telco rackmount kit, 1U
LE2457RM	ETSI rackmount kit, 1U
LE2458C	Two separate power inputs (24, 48, or 125 V)
LE2459C	Alarm contacts, 1 power and 1 software
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